

**CLAIMS**

1. A method of transmitting measured activity information and providing at least one individual with feedback based on the measured activity information,

5           c h a r a c t e r i s e d     i n   t h a t   t h e   m e t h o d  
comprises the steps of:

          measuring, activity information relating to an activity with a measurement device;

          transmitting, with a measurement device, activity  
10   information to a receiving device via a local communication link during the activity;

          selecting from the received activity information a predefined set of pieces of activity information with the receiving device; and

15           providing, with a receiving device, the at least one individual with feedback based on the selected activity information.

          2. The method according to claim 1, c h a r -  
a c t e r i s e d     i n   t h a t   s a i d   s t e p   o f   p r o v i d i n g   c o m -  
20   prising providing the at least one individual at least one activity indicator based on the selected activity information with at least one feedback device.

          3. The method according to claim 2, c h a r -  
a c t e r i s e d     i n   t h a t   p r i o r   t o   s a i d   s t e p   o f   p r o v i d -  
25   ing the method further comprising the steps of:

          calculating at least one additional activity indicator based on the at least one selected activity information; and

          providing the at least one individual individual  
30   with the calculated at least one additional activity indicator with the at least one feedback device.

          4. The method according to claim 2 or 3,  
c h a r a c t e r i s e d     i n   t h a t   s a i d   s t e p   o f   p r o v i d i n g  
c o m p r i s i n g   p r e s e n t i n g   t h e   a t   l e a s t   o n e   a c t i v i t y   i n d i -  
35   c a t o r   t o   t h e   a t   l e a s t   o n e   i n d i v i d u a l   a s   a t   l e a s t   o n e  
of a graphical form and voice signals.

5. The method according to claim 1, characterised in that prior to said step of transmitting the method further comprising the step of:

calculating at least one additional piece of activity information based on the measured activity information.

6. The method according to claim 1, characterised in that said step of transmitting comprising transmitting activity information according to a communication protocol.

7. The method according to claim 1, characterised in that said step of providing comprising providing the at least one individual with feedback with the receiving device.

8. The method according to claim 1, characterised in that said step of providing comprising providing the at least one individual with feedback with at least one device connected to the receiving device.

9. The method according to claim 1, characterised in that said step of measuring comprising measuring at least one of the following quantities:

time;  
location;  
altitude;  
temperature; and  
heart rate.

10. A measurement device configured to measure and transmit activity information,

characterised in that the measurement device comprises:

a processor (28);  
a plurality of measuring elements (214) configured to measure a plurality of quantities relating to an activity;

a memory (24) configured to store measurement data provided by the measuring elements (214); and

a transmitter (26) configured to transmit activity information to at least one receiving device via a local communication link during the activity according to a communication protocol.

11. The measurement device according to claim 10, characterised in that the plurality of measuring elements (214) comprises at least one of the following:

a GPS receiver (216);  
a barometer (202);  
a thermometer (200); and  
at least one pulse coil (22) configured to measure heart rate.

12. The measurement device according to claim 10, characterised in that the processor (28) is configured to calculate at least one additional piece of activity information based on the measured activity information; and the transmitter (26) is configured to transmit the calculated activity information via a communication link.

13. A receiving device configured to receive activity information from a measurement device, characterised in that the receiving device comprises:

a receiver (208) configured to receive, during an activity, a transmission from the measurement device via a local communication link, wherein the transmission includes activity information measured with the measurement device;

a memory (206) configured to store at least one definition based on which a predefined set of pieces of activity information is selected from the received activity information;

a processor (210) configured to select the predefined set of pieces of activity information from the

received activity information based on the at least one definition stored on the memory (206); and

at least one feedback device (212) configured to provide at least one individual with feedback based on  
5 the selected activity information.

14. The receiving device according to claim 13, characterised in that the receiving device further comprises an output to which at least one feedback device (212) can be connected.

10 15. The receiving device according to claim 13 or 14, characterised in that the at least one feedback device (212) is configured to provide the at least one individual with at least one activity indicator based on the selected activity information.

15 16. The receiving device according to claim 13, 14 or 15, characterised in that the processor (210) is configured to calculate at least one additional piece of activity information based on the at least one selected activity information, and  
20 the at least one feedback device (212) is configured to provide the at least one individual with the calculated at least one activity indicator.

17. The receiving device according to claim 13, 14, 15 or 16, characterised in that the  
25 at least one feedback device (212) is configured to present the at least one activity indicator to the at least one individual as at least one of a graphical form and voice signals.

18. The receiving device according to claim  
30 13, 14, 15, 16 or 17, characterised in that the at least one feedback device (212) comprises at least one of a display, a speaker and an earpiece.

19. A system of transmitting measured activity information and providing at least one individual  
35 with feedback based on the measured activity information,

characterised in that the system comprises:

a measurement device (20) comprising a first processor (28), a plurality of measuring elements (214)  
5 configured to measure a plurality of quantities relating to an activity, a first memory (24) configured to store measurement data provided by the measuring elements (214), and a transmitter (26) configured to transmit activity information during the activity to  
10 at least one receiving device via a local communication link according to a communication protocol; and  
a receiving device (204) comprising a receiver (208) configured to receive a transmission from the measurement device during the activity via a local  
15 communication link, wherein the transmission includes activity information measured with the measurement device (20), a second memory (206) configured to store at least one definition based on which a predefined set of pieces of activity information is selected from  
20 the received activity information, and a second processor (210) configured to select the predefined set of pieces of activity information from the received activity information based on the at least one definition stored on the second memory (206); and at least  
25 one feedback device (212) configured to provide the at least one individual with feedback based on the selected activity information.

20. The system according to claim 19, characterised in that the plurality of measuring elements (214) comprises at least one of the  
30 following:

a GPS receiver (216);  
a barometer (202);  
a thermometer (200); and  
35 at least one pulse coil (22) configured to measure heart rate.

21. The system according to claim 19 or 20, characterised in that the first processor (28) is configured to calculate at least one additional piece of activity information based on the  
5 measured activity information; and the transmitter (26) is configured to transmit the calculated activity information via a communication link to the receiving device.

22. The system according to claim 19, 20 or  
10 21, characterised in that the receiving device (204) further comprises an output to which at least one feedback device (212) can be connected.

23. The system according to claim 19, 20, 21 or 22, characterised in that the at least  
15 one feedback device (212) is configured to provide the at least one individual with at least one activity indicator based on the selected activity information.

24. The system according to claim 19, characterised in that the second processor  
20 (210) is configured to calculate at least one additional piece of activity information based on the at least one selected activity information, and the at least one feedback device (212) is configured to provide the at least one individual with the calculated  
25 at least one activity indicator.

25. The system according to claim 19, 20, 21, 22, 23 or 24, characterised in that the at least one feedback device (212) is configured to present the at least one activity indicator to the at  
30 least one individual as at least one of a graphical form and voice signals.

26. The system according to claim 19, 20, 21, 22, 23, 24 and 25, characterised in that the at least one feedback device (212) comprises at least  
35 one of a display, a speaker and an earpiece.